

## 41-G MISSION REPORT

### I. SUMMARY

Challenger's sixth flight launched from KSC at 6:03 CDT October 5, 1984. It returned to Kennedy eight days later, landing on October 13th. Since 41-G was a planned EVA flight, two prime EMUs and one backup short EMU were stowed in the Airlock. No MMUs were carried. Figures 1 and 2 show the EMU functional schematic and hardware.

*Astronaut A* and *Astronaut B* successfully accomplished their 3 1/2 hour EVA on October 11th, Flight Day 7 of the mission. This EVA took place the day after the EMU Checkout and Maintenance Recharge activities. During this time *Astronaut A* and *Astronaut B* completed the planned installation of the Orbital Refueling System Ball Valve mod kit as well as an unplanned activity of locking the gimbals on the Ku-Band antenna. They each performed quite well in their EMUs.